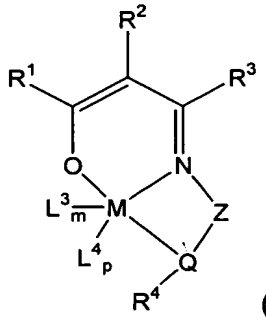
Listing of Claims

1-11. (canceled)

12. (currently amended) A compound of the formula (VI)

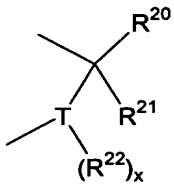


(VI)

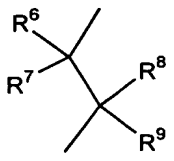
wherein:

R^1 is hydrocarbyl or substituted hydrocarbyl, R^2 is hydrogen, hydrocarbyl or substituted hydrocarbyl, and R^3 is hydrogen, hydrocarbyl, substituted hydrocarbyl or a functional group, provided that R^1 and R^2 taken together may be ortho-arylene or substituted ortho-arylene, or R^1, R^2 and R^3 taken together may form one or more rings;

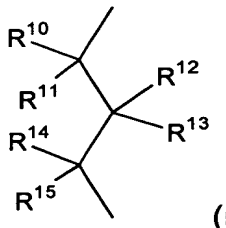
Z is a bridging group of the formula (II), (III) or (IV)



(II),



(III) or



(IV)

Q is nitrogen, oxygen, phosphorous or sulfur, provided that when Z is (II), Q is oxygen;

R^4 is hydrogen, hydrocarbyl or substituted hydrocarbyl, provided that when Q is oxygen or sulfur R^4 is not present;

R^6 is hydrogen, hydrocarbyl or substituted hydrocarbyl, provided that R^3 and R^6 taken together may form a ring;

R^7 is hydrogen, hydrocarbyl or substituted hydrocarbyl, provided that R^3, R^6 and R^7 taken together may form an aromatic ring, or R^6 and R^7 taken together may form a ring;

R^8 is hydrogen, hydrocarbyl or substituted hydrocarbyl;

R^9 is hydrogen, hydrocarbyl or substituted hydrocarbyl, provided that R^4 and R^9 taken together may be part of a double bond to an imino nitrogen atom, or R^8 and R^9 taken together may form a carbonyl with the carbon to which they are attached, or R^8 and R^9 taken together may form a ring, or R^4 and R^9 taken together may form a ring, or R^4, R^8 and R^9 taken together may form a ring, or R^6, R^7, R^8 and R^9 taken together may form an aromatic ring;

R^{10}, R^{11}, R^{12} and R^{13} are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl, provided that R^{10}, R^{11}, R^{12} and R^{13} taken together may be ortho-arylene;

R^{14} and R^{15} are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl, provided that R^{14} and R^{15} taken together may form a carbonyl with the carbon to which they are attached, or R^{12}, R^{13}, R^{14}, and R^{15} taken together may form an o-arylene group, or R^{10}, R^{11}, R^{12}, R^{13}, R^{14}, and R^{15} taken together may form a fused aromatic ring system, or R^{13} and R^{14} taken together may form a ring;

R^{20} and R^{21} are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl, or R^{20} and R^{21} taken together may form a ring;

each R^{22} is individually hydrocarbyl, oxygen or alkoxy, provided that when R^{22} is oxygen, two of R^{22} are taken together to form T=O;

n is an integer of 1 or more;

T is phosphorous or sulfur whose oxidation state is 3 or greater;

x is equal to the oxidation state of T minus 2;

M is ~~Ti,~~ Zr, Hf, ~~V,~~ Mn or Cr;

m is an integer equal to the valence of M minus 2; and

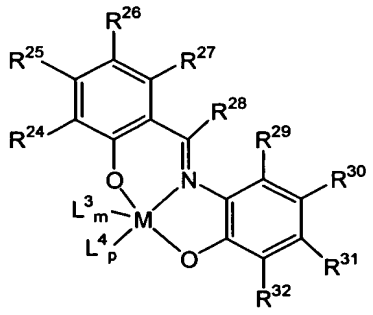
p is 0 or 1; and

each L^3 is independently a monodentate monoanionic ligand, and L^4 is a monodentate neutral ligand or an empty coordination site, provided that an L^3 and L^4 taken together may be a monoanionic bidentate ligand.

13. (currently amended) The compound as recited in claim 12, wherein M is ~~selected from the group consisting of~~ Zr ~~and Ti~~.

14. (original) The compound as recited in claim 12, wherein R^1 and R^2 taken together are o-arylene, Z is a group of the formula (III), Q is oxygen, and R^6, R^7, R^8 and R^9 taken together form an aromatic ring.

15. (original) The compound as recited in claim 12, wherein (VI) has the formula



(XXVIII)

wherein R^{24}, R^{25}, R^{26}, R^{27}, R^{29}, R^{30}, R^{31} and R^{32} are each independently hydrogen, hydrocarbyl, substituted hydrocarbyl or a functional group, and R^{28} is hydrogen, hydrocarbyl, or substituted hydrocarbyl, provided that any two of R^{24}, R^{25}, R^{26}, R^{27}, R^{29}, R^{30}, R^{31} and R^{32} vicinal to one another may be taken together to form a ring, and that R^{27} and R^{28} may be taken together to form a ring, or R^{28} and R^{29} may be taken together to form a ring.

16-20. (canceled)